

INTERNATIONAL SEARCH REPORT

Application No
PCT/US 03/11267

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G03B42/02 A61B6/14 G03C11/02 G01N23/04 G03B42/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B G03B G01N G03C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

WPI Data, PAJ, INSPEC, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 123 040 A (FABIAN CARL E) 16 June 1992 (1992-06-16) column 3, line 39 -column 4, line 64; figures 1-5	1-9, 11-14, 20,21, 25,30,36
X	CH 564 943 A (HURNI WILLY) 15 August 1975 (1975-08-15) the whole document	1-9, 11-14, 20,21, 25,26, 30,36

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *O* document referring to an oral disclosure, use, exhibition or other means
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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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& document member of the same patent family

Date of the actual completion of the international search

25 July 2003

Date of mailing of the international search report

04/08/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 2 426 286 A (STADLER FRANK J) 26 August 1947 (1947-08-26)</p> <p>the whole document</p>	<p>1-9, 11-14, 20, 21, 25, 30, 36</p>
X	<p>US 5 195 122 A (FABIAN CARL E) 16 March 1993 (1993-03-16)</p> <p>column 5, line 26 -column 8, line 21; figures 1-7</p>	<p>1, 6-9, 11-14, 20-23, 25-27, 30-32</p>
X	<p>US 6 354 737 B1 (HUF E MARK J ET AL) 12 March 2002 (2002-03-12) column 3, line 41 -column 9, line 5; figures 1-7</p>	<p>30-35</p>
A	<p>US 4 995 108 A (TANAKA HIROYUKI) 19 February 1991 (1991-02-19)</p> <p>column 3, line 18 -column 6, line 12; figures 1-8</p>	<p>1-9, 11-14, 20, 21, 25, 30, 31, 36</p>
A	<p>US 5 202 911 A (FABIAN CARL E) 13 April 1993 (1993-04-13) column 3, line 63 -column 5, line 65; figures 1-7</p>	<p>1, 9, 14, 24, 30, 36</p>
A	<p>US 1 748 490 A (MARTIN FREDERICK C) 25 February 1930 (1930-02-25) the whole document</p>	<p>1, 30, 36</p>

INTERNATIONAL SEARCH REPORT

Indicate dependent family members

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